

DROSTE, Z.; DZIEWONSKI, A.; HORDEJUK, J.

Application of the capacity elements in the seismograph-galvanometer system. Acta geophys Pol 11 nc. 1/2: 37-
'63.

1. Zaklad Geofizyki, Polska Akademia Nauk, Warszawa.

IANOVICI, Mircea, ing.; COSMA, Dante, ing.; DROSU, Mihai, ing.;
ROTTENSTEIN, Butu, ing.

Contributions to the study of magnetic characteristics of dead
soft steel for intense field magnetic circuits. Electrotehnica
11 no.7:266-274 J1 '63.

1. Inginer principal la Institutul de fizica atomica al Academiei
R.P.R. (for Ianovici). 2. Sef de sectie la Institutul de cercetari
metalurgice (for Cosma). 3. Sef adj. de sector la Uzinele Vulcan
Bucuresti (for Drosu). 4. Cercetator la Institutul de cercetari
metalurgice (for Rottenstein).

22846

P/022/60/000/010/011/012
A222/A126

9,6150(2705,1482)
AUTHOR: Droszoz, Janusz, Engineer

TITLE: MK-7 Chamber monitor

PERIODICAL: Przegląd telekomunikacyjny, no. 10, 1960, 325

TEXT: The MK-7 monitor (Fig. 2) manufactured by Zakład Doświadczalny (Experimental Department) of the Instytut Tele- i Radiotechniczny (Institute of Telecommunication and Radio Engineering) in Bydgoszcz is a gamma radiation meter and beta radiation detector (by means of additive beta and gamma detection). The monitor responds to radiation within the energy range of from 200 keV to 3 MeV and uses a cylindrical ionization chamber as radiation detector. The wiring diagram of the circuit which uses an XE3 tube is shown in Fig.1 where "Cech" means calibration. The monitor is powered by a miniature storage battery re-loaded by an accessory charger shown in Fig.3. Technical data of the monitor: ranges 10-mr/h and 20-150 mr/h, accuracy better than $\pm 10\%$, zero instability 3% per hour, dimensions 400 x 130 x 235 mm, weight 2.5 kg, dimensions of accessory charger 195 x 165 x

Card 1/4

22846

MK-7 Chamber monitor

P/022/60/000/010/011/012
A222/A126

65 mm, weight of charger 2 kg. There are 3 figures.

ASSOCIATION: Instytut Tele- i Radiotechniczny (Institute of Telecommunica-
tion and Radio Engineering)

Card 2/4

DROSZCZ, Wacław; DROSZCZ, Leszek

Polish prototype of Wright's apparatus. (For the measurement of the apical air flow). Clinical evaluation. Gruzlica 31 no.8: 883-888 '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof. dr med. A. Biernacki.

(RESPIRATORY FUNCTION TESTS)
(EQUIPMENT AND SUPPLIES)

EXCERPTA MEDICA Dec 19 Vol 3/1 Rehabilitation Jan 60

31. **Rehabilitation treatment in the diseases of the A.B.E.-type (asthma, bronchitis, emphysema)** Leczenie usprawniające w schorzeniach typu A.B.E. (asthma, bronchitis, emphysema). Droszcz W. et al. Inst. Naukowego Kult. Fizyc., Warszawa *Pol. Arch. Med. wewn.* 1959, 28, 10 (1383-1392) Tables 1

Although the aetiology of respiratory diseases varies, the pathophysiology is similar and the author groups them into a common type, A.B.E. (asthma, bronchitis and emphysema), for therapeutic purposes. In this article, the author describes: (1) the basic pathology, indicating fundamental changes, such as narrowing and fixation of the thorax; (2) intrathoracic fibrosis; and (3) 'shortening' and contractures of the respiratory muscles. Such findings necessitate: (a) mobilization of the thorax; (b) mobilization of the diaphragm; and (c) increase of expiration. Simple diagnostic determinations, such as (1) depth of expiration; (2) number of respiratory excursions; (3) respiration time; (4) vital capacity; and (5) ventilation at rest, are described. These tests should be made prior to training, and again used to evaluate the efficacy of the therapy. The therapy is divided into three groups: (I) Massage, which consists of tissue and chest mobilization, which relieves the chest tightness; (II) respiratory exercises (with the description of each exercise pattern; and (III) mechanical respiration, with use of respiratory aids. The author describes the Barach belt.

Fleischer - Chicago, Ill. (XIX, 15*)

DROSZCZ, Wacław (Warszawa, ul. Cieszkowskiego 7 m. 107.)

Skibinski's circulation-respiration coefficient in swimming youth.
Polski tygod. lek. 14 no.13:567-572 30 Mar 59.

1. Z Instytutu Naukowego Kultury Fizycznej; dyrektor: prof. dr med.
Wl. Missiuro- Klinika Zdrowego Cielowiska; kierownik: doc. dr med. S.
T. Bober, Przy I Klinice Chorob Wewnętrznych A. M. w Warszawie: kiero-
wnik: prof. dr med. A. Biernacki Przychodni Lekarskiej Palacu Młodzieży
w Warszawie; kierownik: dr med. J. Ekiert'. Adres: Warszawa, ul. Ciesz-
kowskiego 7 m. 107.

(ATHLETICS

skibinski's circ.-resp. coefficient in swimming
adolescents (Pol))

(RESPIRATION, physiol.

same)

(BLOOD CIRCULATION, physiol.

same)

DROSZCZ, Wacław

Practical significance of simple functional tests of the respiration organ in the Internal Diseases Clinic. Polskie arch.med. wewn. 30 no.3:363-373 '60.

1. Z Instytutu Naukowego Kultury Fizycznej. Dyrektor: prof.dr med. Wł.Missiuro. Klinika Zdrowego C człowieka. Kierownik: doc. dr med. St.Bober przy I Klinice Chorob Wewnętrznych A.M. w Warszawie. Kierownik: prof.dr med. A. Biernacki.
(RESPIRATION physiol.)

SZUSTOW, Wladyslaw J.; DROSZCZ, Wacław

Modifications of trace elements -- copper, cobalt, nickel, manganese and zinc -- in the blood in Addison-Biermer and post-hemorrhagic anemias. *Polskie arch. med. wewnetrz.* 31 no.2:211-216 '61.

1. Z' Katedry Choroób Wewnetrznych Wydziału Pediatrycznego Kierownik:
dr nauk med. M.S. Obrascowa Państwowego Instytutu Medycznego
Dyrektor: doc. N. R. Iwanow Konsultant naukowy: akademik AN BSSR
W. A. Leonow.

1. (ANEMIA blood) (ANEMIA PERNICIOUS blood)
(COPPER blood) COBALT blood) NICKEL blood)
(MANGANESE blood) (ZINC blood)

DROSZCZ, Wacław; AJEWSKI, Zygmunt

Aerosols in the treatment and diagnosis of diseases of the respiratory system. ~~Polski~~ tygod. lek. 16 no.15:566-570 10 Ap '61.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Warszawie; kierownik: prof. dr med. A. Biernacki.

(AEROSOLS) (RESPIRATORY SYSTEM dis)

DROSZCZ, Wacław; GRZEDA, Wiesław

Studies on therapeutic and side effects of N-isopropylnoradrenalin sulfate (aludrin). Polski tygod. lek. 16 no.35:1346-1349 28 Ag '61.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Warszawie; kierownik: prof. dr med. Andrzej Biernacki oraz z I Oddziału Wewnętrznego Miejskiego Szpitala Grochowskiego w Warszawie; ordynator: dr med. Adam Soszka.

(SYMPATHOMIMETICS)

DROSZCZ, Wacław

Analysis of the maximum expiratory capacity (Teffeneau-Pinelli test).
Gruslica 29 no.4:343-350 Ap '61.

1. Z Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof. dr
med. A. Biernacki.

(RESPIRATION)

DROSZCZ, Wacław

Value of the so-called bronchial spasm index in ABE syndrome. Polskie arch. med. wewn. 31 no.5:633-640 '61.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof. dr med. A. Biernacki.

(ASTHMA compl) (BRONCHITIS compl)
(PULMONARY EMPHYSEMA compl)

DROSZCZ, Wacław

Etiopathogenesis of bronchial spasms. Polskie arch. med. wewn. 31 no.9:
1229-1233 '61.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof. dr
med. A. Biernacki.

(BRONCHI dis)

DROSZCZ, Wacław

Effect of acute and chronic anaphylactic shock and of systemic acetylcholine injections on the activity of blood cholinesterase in guinea pigs. Pol. arch. med. wewn. 32 no.12:1501-1516 '62.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof.
dr med. A. Biernacki.

(ANAPHYLAXIS) (ACETYLCHOLINE) (ACETYLCHOLINESTERASE)

POLAND

DROSZCZ, Wacław and AJEWSKI, Zygmunt, First Clinic of Internal Diseases (I Klinika Chorob Wewnętrznych), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. med. A. BIERNACKI)

"Acetylcholine Provocation in Bronchospastic States, and Its Evaluation by the So-called Bronchial Spasm Index."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63, pp 769-772.

Abstract: [Authors' English summary modified] Authors report their findings on administration of the acetylcholine provocation test to patients with bronchial asthma, bronchospasm, and chronic bronchitis. Strength of the test was evaluated by the so-called bronchial spasm index, which is the total percentage change in the lung vital capacity, force expiration volume, and minute volume before and after test. Bronchospasm should be suspected with an index of 25-60, and definitely diagnosed above 70, with an index of 70-119 indicating the mild, 120-180 moderate, and above 180 severe form. The 23 refs comprise 3 Polish, and about 5 in German, the others being Western.

1/1

DROSZCZ, Wacław; DROSZCZ, Leszek

Polish prototype of Wright's apparatus. (For the measurement of the apical air flow). Clinical evaluation. Gruzlica 31 no.8: 883-888 '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof. dr med. A. Biernacki.

(RESPIRATORY FUNCTION TESTS)
(EQUIPMENT AND SUPPLIES)

DROSZCZ, Wacław; KROTKIEWSKI, Andrzej

Studies on the therapeutic and side effects of 1-(3,5-dihydroxy-phenyl)-2-isopropylaminoethanol sulfate). Pol. arch. med. wewn. 33 no.7:753-767 '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof. dr med. A. Biernacki.

(PHARMACOLOGY) (SYMPATHOMIMETICS)
(ELECTROCARDIOGRAPHY) (ASTHMA)
(BRONCHI) (BLOOD PRESSURE)
(RESPIRATION)

DROSZCZ, Wacław

Farmer's lung. Pol. arch. med. wewnet. 34 no.9:1165-1169 '62

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w
Warszawie (p.o. Kierownika: prof. dr. med. T. Orłowski).

DROSZCZ, Wacław

The studies of anti-fungal precipitins in patients showing positive intracutaneous test with the extract of fungi imperfecti. Pol. arch. med. wewn. 35 no.2:171-175 '65.

1. Z Asthma and Allergy Research Unit, St. David's Hospital Cardiff (Kierownik: D.A. Williams M.D., F.R.C. VP.) oraz z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. T. Orłowski).

DROSZCZ, Wacław; AJEWSKI, Zygmunt

The value of the bronchodilatory test and acetylcholine provocation test in the diagnosis of bronchospastic conditions. Gruzlica 33 no.4:287-293 Ap '65.

1. Z I Kliniki Choroób Wewnętrznych AM w Warszawie (p. o. Kierownika Kliniki: prof. dr. med. T. Orłowski).

DROTI, N.; LEBMDEV, P.D.

Extrapleural pneumothorax in pulmonary tuberculosis. Probl. tub.
no. 2: 40-44 Mr-Apr '54. (MLA 7:5)

1. Iz tuberkuleznogo sanatoriia (glavnyy vrach N. Droti) v Tirane (Albania).
(PNEUMOTHORAX, ARTIFICIAL,
*extrapleural)

SHRAMKOV, Ye.G.; GORBATSEVICH, S.V.; KOLOSOV, A.K.; DROTKOV, I.N.; ROZHDESTVENSKAYA,
T.B.; SHIROKOV, K.P.; CHERNYSHEV, Ye.T.; YAKOVSKIY, B.M.

Metrological activities in the field of electric and magnetic measurements. Trudy.VNIIM no.33:60-93 '58. (MIRA 11:11)

1. Rukovoditel' otдела elektricheskikh i magnitnykh izmereniy
Vsesoyuznogo nauchno-issledovatel'skogo instituta metrologii imeni
D.I. Mendeleyeva (for Shramkov).
(Electric measurements) (Magnetic measurements)

DROTOS, Janos, fomunkatars; FARKAS, Zoltan, munkatars

Modification of standard animal ratios. Stat szemle 41
no.3:280-287 Mr '63.

1. Foldmuvelesugyi Miniszterium Mezogazdasagi Uzemszervezesi
Kutato Intezete.

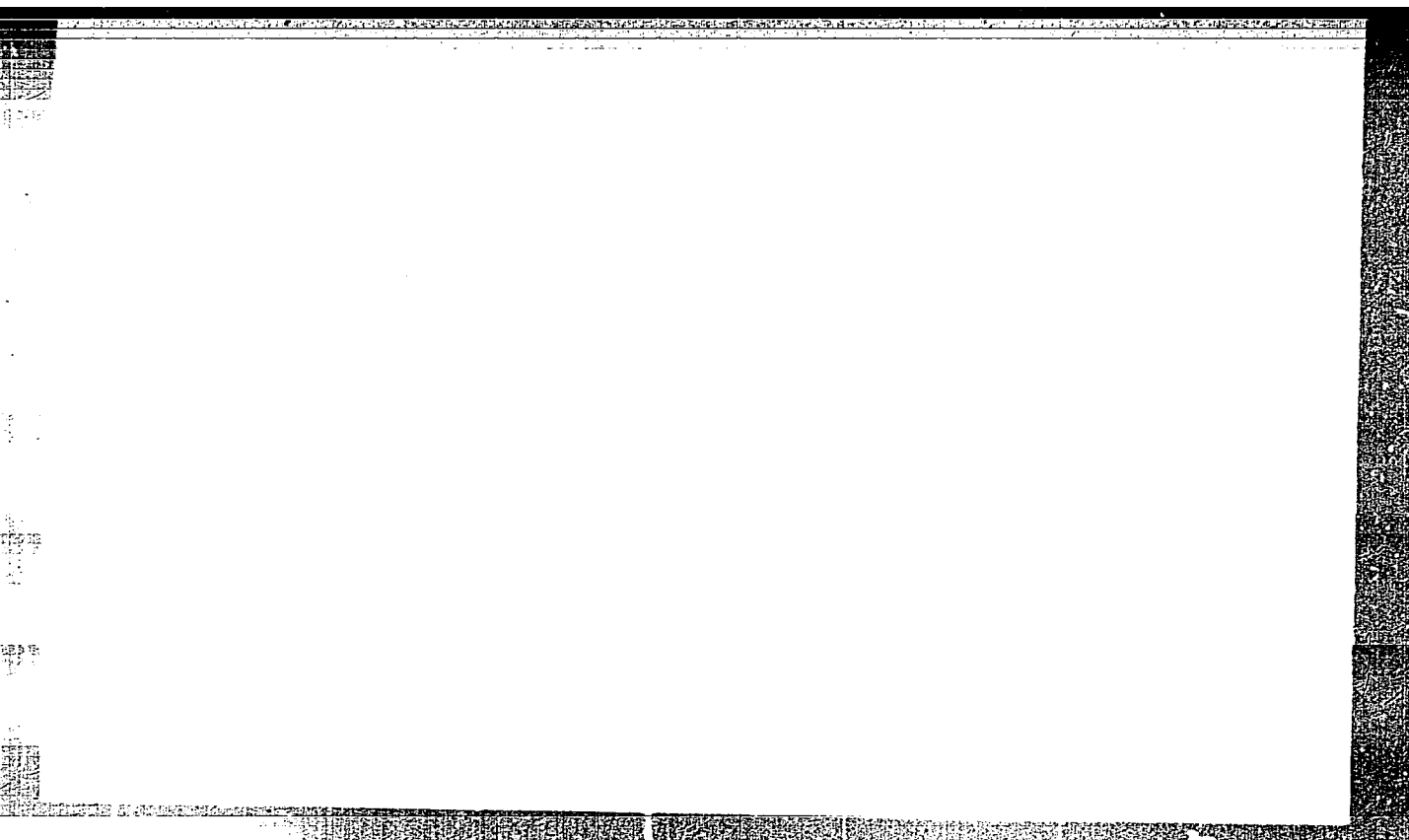
RAYEV, Z.A.; DROTYANKO, A.S.; KORDYUKOVA, N.S.; SEMENETS, P.A.; KOVALENKO, A.D.; PARKHOMENKO, M.R.

Treatment of yeast milk with malt wort for the improvement of the quality of compressed yeast. Ferm. i spirt. prom. 31 no.7:18-22 '65. (MIRA 18:11)

1. Ukrainsky nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Rayev, Drotyanko, Kordyukova). 2. Andrushevskiy spirtokombinat (for Semenets, Kovalenko, Parkhomenko).

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041122



APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041122

DROUET, T.

The quality of fiberboards for the production of furniture; research on their compactness. p. 108.

PRZEMYSŁ DRZEWNY. Centralne Zarządy Przemysłów: Drzewnego, Meblarskiego, i Lesnego i Stowarzyszenie Inżynierów i Techników Leśnictwa i Drzewnictwa. Warszawa, Poland, Vol. 9, No. 4, Apr. 1958.

Monthly List of East European Accession (EEAI), IC, Vol. 8, No. 9, September, 1959.
Uncl.

DROUET, Tadeusz; LESNIKOWSKI, Andrzej

Joints of furniture elements from chip boards. Przem drzew 11 no.9:
14-17 '60.

DROUET, Z.

"Architectonic and Building Symbols In Technical Drawings" p. 103. (Przeglad Budowlany, Vol. 25, no. 3, March 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol 3, No 2, Library of Congress, February 1954, Uncl.

TOSCHKOFF, AL.; TOSHKOV, As.; RADEVA, M.; DROUMCHEV, I.; KARADZHOV, Y.

Further studies on the causes of easy infection during the
post-mortem examinations of septic cadavers. Dokl. Bolg.
akad. nauk 18 no.2:179-181 '65

1. Submitted on October 16, 1964.

MORAVEK, Milan; DROVAK, Josef

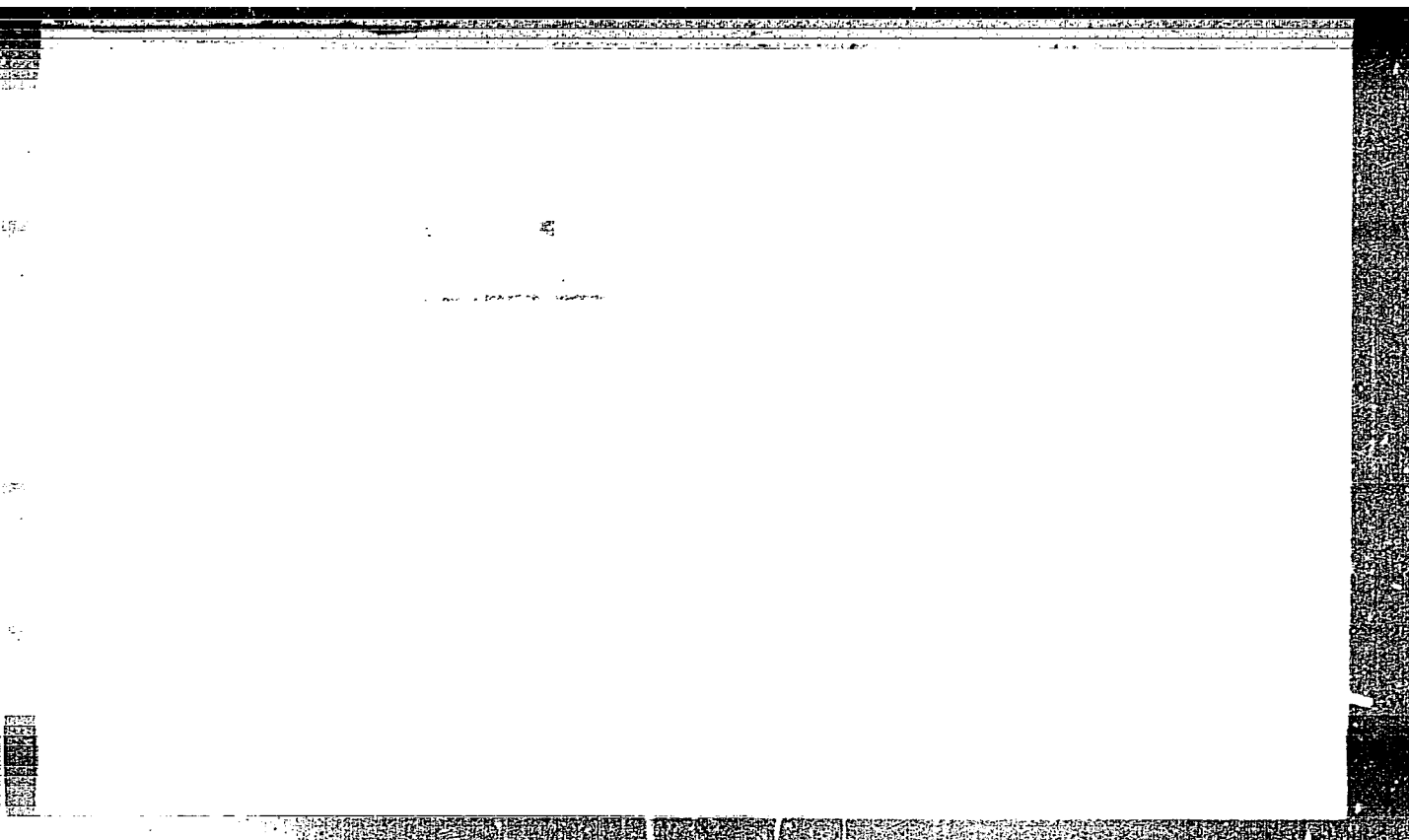
On the theory of dissociative functions. Aktiv. nerv. sup. 3 no.4:
445-448 '61.

1. Ustav letenskeho zdravotnictvi.

(ADAPTATION PHYSIOLOGICAL)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041122



APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041122

DROVENIK, M.

SEFIVEC, Vladislav, MUDr.; DROVOTA, Stanislav, MUDr.; LAVICKA, Josef, MUDr.;
CERNY, Josef, MUDr.

Neuropsychical disorders in ACTH and cortisone therapy. Vnitr.
lek., Brno 1 no.11:850-855 Nov 55.

1. Z psychiatrické kliniky (prednosta doc. MUDr. Evzen Vencovsky)
a vnitřní kliniky (prednosta doc. MUDr. Karel Bobek) lékařské
fakulty v Plzni. Psychiatrická léčebna v Dobrušce.

(MENTAL DISORDERS, etiology and pathogenesis,
ACTH & cortisone.)

(ACTH, injurious effects,
ment. & neural disord.)

(CORTISONE, injurious effects,
ment. & neural disord.)

LEVIN, B.M., kand. tekhn. nauk; DROVYANNIKOVA, V.I., inzh.;
KADYKOV, V.T., inzh.

Measuring low velocities of water currents by photography.
Trudy MIIT no.176:86-90 '63. (MIRA 17:6)

LEVIN, B.M., kand. tekhn. nauk; DROVYANNIKOVA, V.I., inzh.;
ZAZHURILO, T.I., inzh.

Study of the process of the precipitation of monodispersed
suspensions in small concentrations. Trudy MEIT no. 176:144-159
'63. (MIRA 17:6)

LEVIN, B.M., kand. tekhn. nauk; DROVYANNIKOVA, V.I., inzh.

Study of the hydrodynamics of flow in horizontal hydraulic
sand classifiers. Trudy MIIT no.176:130-143 '63.
(MIRA 17:6)

DROVYASHIN, B.V.; ZHUKOV, V.P.

Signal-to-noise ratio at the output of a beat detector. Izv.vys.
ucheb.zav.; radietekh. 7 no.6:756-760 N-D '64.

(MIRA 18:4)

DROYBSHEV, F.V., doktor tekhn, nauk, prof.

D-2 identifying stereoscope. Trudy MIIGAIK no.50:3-5 '62.
(MIRA 16:7)

1. Kafedra fotogrammetrii Moskovskogo instituta inzhenerov
geodezii, aerofotos'yemki i kartografii,
(Photographic interpretation) (Stereoscope)

DROYKYN, A.I., IVLEV, V.F., TUKALOV, R.I., KYRENSKIY, L.V., VLASOV, A.I., VTYKIN...I.

"The Temperature and Rotation Hysteresis in Ferromagnetic Materials"
Krasnoyarsk

Conference on Physics of Magnetic Phenomena,
May 1956, Sverdlovsk, USSR

DROZANSKA, D.

Antigenic structure of various strains of Rhizobium. Acta
mikrob.polon. 8 no.3-4:249-252 '59.

1. Z Zakladu Mikrobiologii Ogolnej Uniwersytetu Marii Curie-
Skłodowskiej w Lublinie.

(RHIZOBIUM immunol)

DROZANSKA, Danuta

Antigenic relationships among strains of Rhizobium (preliminary communication). Acta microbiol. polon. 12 no.3:163-164 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin.
(RHIZOBIUM) (ANTIGENS) (AGGLUTINATION)

DROZANSKA, Danuta

Studies of *Rhizobium trifolii* Antigens. Acta microbiol. Pol.
13 no.1:69-75 '64

1. From the Department of General Microbiology, Maria Curie
Skłodowska University, Lublin.

DROZANSKA, Danuta

Studies on Rhizobium trifolii antigens II. Acta microbiol. Pol.
14 no.3/4:275-279 '65.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin. Submitted February 9, 1965.

DROZANSKI, W.

Fatal bacterial infection in soil amoebae. In English, p. 315.
(Acta Microbiologica Polonica, Vol. 5, no. 3/4, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957 Uncl.

KUNICKI-GOLDFINGER, W.; DROZANSKI, W.; BLASZCZAK, D.; MAZUR, J.; SKIBINSKA, J.

Bacteria as food for soil amoebae. Acta Microb. polon. 6 no.4:331-344
1957.

1. Z Zakladu Mikrobiologii Uniwersytetu Wroclawskiego we Wroclawiu i
Zakladu Mikrobiologii Ogolnej Uniwersytetu Marii-Curie-Sklodowskiej
w Lublinie Wplynelo dnia 20 wrzesnia 1957 r

(AMOEBA, metabolism

soil bact. as food source, growth & develop (Pol))

(SOIL, microbiology

bact. as food source for amoeba, growth & develop. (Pol))

DROZANSKI, Wincenty

The influence of bacteria on the excystment of soil amoebae. Acta
microbiol. pol. 10 no.2:147-153 '61.

1. From the Department of General Microbiology, Maria Curie-Sklodowska
University, Lublin.

(AMOEBAS) (AEROBACTER AEROGENES)

DROZANSKI, Wincenty

Studies on intracellular parasites of free-living amoebae. Acta
microbiol. polon. 12 no.1:3-8 '63.

1. From the Department of General Microbiology, Maria Curie-Skłodowska
University, Lublin.
(AMOEBA) (PARASITIC DISEASES) (SOIL MICROBIOLOGY)

DROZANSKI, Wincenty

Observations on intracellular infection of amoebae by bacteria.
Acta microbiol. polon. 12 no.1:9-24 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska,
University, Lublin.
(AMOEBA) (SOIL MICROBIOLOGY) (PARASITIC DISEASES)

DROZANSKI, Wincenty

Studies of intracellular parasites of free-living amoebae. Acta
microbiol. pol. 12 no.1:3-8 '63.

1. From the Department of General Microbiology, Maria Curie-Skłodowska
University, Lublin.
(AMOEBA) (PARASITIC DISEASES) (SOIL MICROBIOLOGY)

DROZANSKI, Wincenty

Observations on intracellular infection of amoebae by bacteria.
Acta microbiol. pol. 12 no.1:9-24 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska, University, Lublin.
(AMOEBA) (PARASITIC DISEASES) (SOIL MICROBIOLOGY)

DROZANSKI, Wincenty

Axenic culture of free-living amoebae. Part I. Culturing of amoebae on dead bacteria, in a water extract of bacteria, and on a peptone medium. Acta microbiol. pol. 12 no.4:281-292 '63.

1. From the Department of General Microbiology, Maria Curie-Sklodowska University, Lublin.
(SARCODINA) (CULTURE MEDIA)
(AEROBACTER AEROGENES)

DROZBOV, V. P.

PHASE I BOOK EXPLOITATION

80V/3952

Moscow. Fiziko-tekhnicheskiy institut

Issledovaniya po mekhanike i prikladnoy matematike (Studies in Mechanics and Applied Mathematics) Moscow, Oborongiz, 1959. 282 p. (Series: Its Trudy, vyp. 3) 2,150 copies printed.

Sponsoring Agency: USSR. Ministerstvo vysshego obrazovaniya.

Ed.: K. Ya. Zaytseva, Engineer; Ed. of Publishing House: S. D. Antonova;
Tech. Ed.: N. A. Pukhlikova; Managing Ed.: A. S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for scientific workers, engineers, and senior students working in the appropriate fields of science and technology.

COVERAGE: The book, the third issue of the Proceedings of the Moskovskiy fiziko-tekhnicheskiy institut (Moscow Physical and Technical Institute), contains a number of articles. The first half of the book concerns hydroaerodynamical problems (motion of a heavy liquid, calculation of pressure distribution along a solid of revolution, surface waves, etc.). The second half of the book is

Card 1/4

Studies in Mechanics and Applied (Cont.)

SOV/3952

devoted to the theoretical and experimental study of the deformation of media (design of a thin-walled spherical shell, plastic torsion, etc.) and to certain problems of applied mathematics. No personalities are mentioned. References are given after most of the articles.

TABLE OF CONTENTS:

Moiseyev, N. N. One Hydrodynamical Problem in the Theory of Ships	3
Moiseyev, N. N., and A. M. Ter-Krikorov. A Study of the Motion of a Heavy Liquid With Velocities Close to Critical	25
Shteynberg, R. I., and V. P. Drozbov. Approximate Method of Calculating the Distribution of Pressure Along a Solid of Revolution Under an Angle of Attack at Supersonic Velocities	60
Sung Ts'ao. The Behavior of Surface Waves on a Linearly Varying Flow	66
Tirskiy, G. A. The Exact Solution for Heat Transfer Through a Disk Rotating in a Viscous Incompressible Liquid	85

Card 2/4

DROZD, A.

"Compressed Air in the Machinery Industry." p. 102 (Strojirenstvi, Vol. 3, no. 2, Feb. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

DROZD, A.

"Water Supply in Machinery Plants." p. 857 (STROJIRENSTVI, Vol. 3, No. 11, Nov. 1953)
Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4,
April 1954. Unclassified.

DROZD, A.

TECHNOLOGY

Periodical: ZDARVOTNI TECHNIKA A VZDUCHOTECHNIKA. Vol. 1, no. 3, 1958.

DROZD, A. Installation of a distribution system for compressed air in industrial buildings. p. 128.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3.
March 1959 Unclass.

DROZD, A.; STRAUS, B.

Use of compressed air in cleaning plants. p. 13.

SLEVARENSTVI. Praha, Czechoslovakia Vol. 7, no. 1, Jan. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959
Uncla.

DROZD, A.; STRAUS, B.

Production of compressed air for foundries. p. 258.

SLEVARENSTVI. (Ministerstvo tezkého strojírenství a Československá vědecká
technická společnost pro hutnictví a slevarenství) Praha, Czechoslovakia.
Vcl. 7, no. 7, June, 1959.

Monthly List of East European Accession, (EEAI), LC, Vcl. 8, No. 12, Dec. 1959
Uncl.

DROZD, A.; STRAUS, B.

Measuring consumption of compressed air and tests of compressed air distribution system and equipment operated by compressed air in foundries. p. 319.

SLEVARENSTVI. (Ministerstvo tazkeho strojirenstvi a Ceskoslovenska vedecka technicka spolecnost pro hutnictvi a slevarenstvi) Praha, Czechoslovakia. Vol. 7, no. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 12, Dec. 1959.
UNCL

DROZD, Alojz, inz.

Foundation on vibrorammed piles. Inz stavby 12 no.12:555-561 D '64.

1. Inzinierske stavby National Enterprise, Kosice.

DROZD, Andrzej, mgr inż.

Application of cold profiles in structures under varying loads.
Przegl spaw 17 no.3:65-70 Mr '65.

1. Welding Institute, Gliwice.

DROZD, A., inz.; KADOUN, M.

Experience with the foundation of bridges. Inz stavby 10
no.11:407-412 N '62.

1. Inziniarske stavby, n.p., Kosice.

DROZD, Anton Antonovich; LEVITSKIY, Yuriy Andreyevich; SMIRNOV,
A.P., red.

[ARS-2 and TsRS-2 radio transmitters; manual on operation and repair] Radiostantsii ARS-2 i TsRS-2; posobie po ekspluatatsii i remontu. Moskva, Izd-vo lit-ry po stroitel'stvu "Stroiizdat," 1964. 135 p. (MIRA 17:6)

DROZD, G.

Cand Tech Sci - (diss) "Study of forces in sorting polling in drawing gages." Moscow, Central Scientific Research Inst of Technology of Machine-Building, OSTI, 1961. 20 pp; (Central Scientific Research Inst of Ferrous Metallurgy imeni I. P. Bardin); 150 copies; price not given; (KL, 7-61 sup, 235)

ACC NR: AP6002866

SOURCE CODE: UR/0286/65/000/024/0021/0021

INVENTOR: Ivin, S. Z.; Drozd, G. I.

ORG: none

TITLE: Preparative method for (α -Hydroxyalkyl)aryltrifluorophosphines. Class 12,
No. 176897¹⁵

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 21

TOPIC TAGS: organic phosphorus compound

ABSTRACT: An Author Certificate has been issued for a preparative method for (α -hydroxyalkyl) aryltrifluorophosphines [sk] involving the reaction of arylhydrotrifluorophosphorus with aldehydes at 40—60 C. [SM]

SUB CODE: 07/ SUBM DATE: 26Feb65/ ATD PRESS: 4 192

Card 1/1 *gc*

UDC: 547.419.1.07

L 41353-66 EWT(m)/EWP(j) RM
 ACC NR: AP6021421 SOURCE CODE: UR/0413/66/000/011/0021/0021 33
 INVENTOR: Ivin, S. Z.; Zinov'yev, Yu. M.; Kulakova, V. N.; Drozd,
G. I.
 ORG: none
 TITLE: Preparation of alkoxyalkyldifluorophosphoranes. Class 12,
 No. 182158 15
 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki,
 no. 11, 1966, 21
 TOPIC TAGS: organic synthetic process, organic phosphorus compound,
 fluorinated organic compound
 ABSTRACT: The subject of this invention is a method for the prepara-
 tion of alkoxyalkyldifluorophosphoranes by reaction of alkylphosphonous
 difluorides with alcohols at -35 to -50C and in the presence of
 tertiary amines, e.g., dimethylaniline. [JK]
 SUB CODE: 07/ SUBM DATE: 26Feb65

Cord 1/1 11b

UDC: 547.419.1.07

KHACHATRYANTS, I.T.; OVCHINNIKOV, E.V.; GOLOVACH, V.N.;
MITRAKOVICH, T.M.; DROZD, G.V.; DEKALLO, N.G.;
VLADIMIROV, L.A. ~~XXXXXXXXXXXX~~

[Small-scale mechanization in the construction industry
and its effectiveness] Malala mekhanizatsiia stroitel'-
stva i ee effektivnost'. Minsk, Izd-vo M-va vysshego,
srednego spetsial'nogo i professional'nogo obrazovaniia
BSSR, 1963. 33 p. (MIRA 17:8)

Droz, I. G.

25(1)

p. 2, 3

PHASE I BOOK EXPLOITATION

BOV/1878

Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii. Institut
stali

Prokatnoye i truboprokatnoye proizvodstvo (Rolling and Tube Rolling) Moscow,
Metallurgizdat, 1959. 268 p. (Series: Its: Sbornik trudov, vyp. 16)
Errata slip inserted. 2,500 copies printed.

Sponsoring Agency: USSR. Gosudarstvennaya planovaya komissiya.

Ed.: B. P. Bakhtinov; Ed. of Publishing House: N. A. Valov; Tech. Ed.: A. I.
Karasev.

PURPOSE: This collection of articles may be of interest to scientific workers,
process engineers in rolling and tube-rolling plants, and students of metal-
lurgical vtuzes.

COVERAGE: The articles describe work done at the laboratory for metal forming
at the Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii
(Central Scientific Research Institute of Ferrous Metallurgy). Some theo-
retical and practical problems of hot and cold rolling of simple and intricate

Card 1/10

SOV/1878

Rolling and Tube Rolling

shapes and tubes are considered. Many of the articles discuss results of scientific research carried out under actual operating conditions. K.K. Andratskiy, A.I. Filatova, V.S. Smirnov, P.T. Yemel'yanenko, A.I. Tselikov, N.D. Lomakin, V.Ya. Ostrenko, D.Ye. Rokhman, O.A. Flyatskovskiy, I.A. Fomichev, Yu.K. Fedorov, and V.N. Shashkov are mentioned as having contributed to this field. There are 37 references: 33 Soviet and 4 German.

TABLE OF CONTENTS:

Chizhikov, Yu.M., Candidate of Technical Sciences. Influence of Various Factors on Rate of Production of Blooming Mills 5

The author shows how the rate of production of blooming mills is affected by the weight of ingots, number of passes, size of blooms produced, number of manipulations, speeds and dwells during rolling, and how all these factors affect each other. The increase in rate of production of a blooming mill for any individual case can be calculated from Formula 7.

Chizhikov, Yu.M., Candidate of Technical Sciences, and I.G. Drozd. Some Strength Characteristics of a Blooming Mill 23

The authors discuss the design for strength of the main part of a blooming mill and compare data on existing pressures in blooming mills used in four plants.

Card 2/10

Rolling and Tube Rolling

SOV/1878

Chizhikov, Yu. M., Candidate of Technical Sciences. Lateral Deformation in Rolling and Forging of Large Sections

36

The author discusses spread of blooms in rolling and forging and compares results obtained.

Kabantsev, N. A. and I. G. Drozd, Engineers. Pressure of Work on Rolls and Torques in Rolling Alloy Steels on Blooming Mills

47

The pressure was measured by strain gages. The torque was determined by the formula $M_d = 0.97K\Phi I$, where M_d is torque of motor shaft; K a coefficient constant for a given mill; Φ the magnetic flux of the motor, and 0.97 the efficiency of the installation.

Kabantsev, N. A., Engineer. Determination of Torques in Rolling

59

Experiments were made in the laboratory and under operating conditions by means of torsimeters. The deformations were picked up by wire strain gages.

Card 3/10

Rolling and Tube Rolling

SOV/1878

Vitkin, A.I., Candidate of Technical Sciences. Single-stand Continuous Mill

71

The author discusses the increase of the draft until a 90 percent reduction is attained in a single pass through the stand. A single-stand rolling mill with two pairs of working rolls was built in the TsNIIIMASH rolling laboratory. The results of laboratory rolling are given.

Grudev, P. I., Candidate of Technical Sciences. On Determination of Flattening of Rolls [During Rolling]

81

The author offers a method of determining the elongation of the arc of contact due to flattening of rolls.

Svede-Shvets, N. I., Candidate of Technical Sciences. Methods of Measuring the Temperature of the Roll Surface of Sheet Mills

88

In TsNIIChM (Central Scientific Research Institute of Ferrous Metallurgy) two methods of measuring the temperature of moving bodies were developed: 1) by stationary thermocouples (measuring the drop in temperature between two points), and 2) by a movable ("walking") thermocouple for measuring the true temperature. Measurement of temperature of rolls during rolling is desirable in order to

Card 4/10

Rolling and Tube Rolling

SOV/1878

control the temperature of rolls--i.e, the uniformity of sheet thickness-- automatically.

Aleksandrova, T. K., Engineer. Some Problems of Pass Design of Rolls for Cold Rolling of Shapes

102

In designing passes for cold rolling of complex shapes a special technique which assures dimensional accuracy of shapes should be used. Basic considerations for designing passes for complex shapes are presented.

Pavlov, Ig.M., Corresponding Member, Academy of Sciences, USSR, Doctor of Technical Sciences, and M. L. Zaytsev, Engineer. Method of Comparing Pass Designs as Related to Efficiency of Deformation

111

To compare the amount of deformation in one pass, the authors use the interrelations between cross-sectional areas of the work: $F_{initial}$, F_{end} , and $F_{displaced}$. As a criterion for efficiency of deformation, the ratio of volume displaced in the longitudinal direction to the volume displaced in the lateral direction may be used.

Card 5/10

Rolling and Tube Rolling

SOV/1878

Zaytsev, M. L., Engineer. Efficiency of Deformation During Rolling in Diamond and Oval Shapes as Compared With Deformation in Plain Rolls 122

The author describes the methods of experiments he conducted on the basis of the idea presented in the preceding article and presents results of their evaluation. He comes to the conclusion that the criteria examined make it possible to answer the question of the suitability of using a given pass design. He found that in deformation of a square bar a higher efficiency was attained in a diamond pass than in an oval pass, or in plain rolls.

Zaytsev, M. L., Engineer. Design of a Diamond Pass for a Diamond-square System 134
Using the relations presented in the article written with Ig. M. Pavlov (p. 111), the author shows how to determine the dimensions of a diamond pass and of the following square pass.

Chizhikov, Yu. M., Candidate of Technical Sciences, and A. N. Funde, Engineer. Conditions for Obtaining Quality Hollow Steel Bar Stock for Drilling 140
The article discusses sizes and mechanical properties of billets with inserted cores and also the pass design necessary for making a good product.

Card 6/10

Rolling and Tube Rolling

SOV/1878

Funde, A. N., Engineer. Effect of Some Processing Factors on the Quality of Hollow Steel Bar Stock for Drilling 154

The influence of heating conditions, of the clearance between the billet and the inserted core, of the billet's curvature, of the displacement of the center of the hole, and of tilting the stock are discussed.

Teterin, P. K., Candidate of Technical Sciences. Tangential Slipping and Friction Forces in Cross Rolling and Roll Piercing 162

The author discusses discrepancies between experimental and theoretical data concerning the direction of slipping of the work and of tangential forces acting in cross rolling and roll piercing. Equations for rolling contact angle, for coefficient of tangential slip, and for efficiency are derived.

Teterin, P. K., Candidate of Technical Sciences. Conditions for Rotation of the Work in Roll Piercing 181

Equations based on deformation and giving the conditions for regular rotation of work are derived and compared with an equation based on the kinematics of rolling. Conditions for gripping the work by rolls are also analyzed.

Card 7/10

Rolling and Tube Rolling

SOV/1878

Teterin, P. K., Candidate of Technical Sciences. Twisting of Work in Roll Piercing

195

The author derives equations for the twisting angle and the helix angle of the work for any section of contact area, for the twisting angle after leaving the rolls, and/or the taper angle of the rolls at which there will be no twisting (eq.27). All these equations are derived taking into account the axial slipping of the work and the variation of its axial velocity along the arc of contact.

Teterin, P. K., Yu. V. Manegin, I. Ye. Musorina, and Ye. A. Trifonov. Design of Roll Profile for Rotary Rolling and Sizing Mills

215

The profiling of rolls is described, and results of tests carried out in TsKBMM of TsNITMASH are presented. It was found that with increasing taper of the gripping portion of sizing rolls, the permissible draft will also increase.

Teterin, P. K., Yu. V. Manegin, and A. S. Burov. Pressure of Work on Rolls in Pilger Process

227

Card 8/10

Rolling and Tube Rolling

SOV/1878

The dependence of pressure distribution along the contact arc on roll design, wall thickness of pipe, and amount of feed is explained. The dependence of the amount of pressure on rolling temperature, wall thickness, and feed is established.

Teterin, P. K., N. L. Klyamkin, and I. Ye. Musorina. Mastering the Manufacture of Two-layer Brazed Tubes 241

The method of cold roll forming of a thin (0.6 to 0.9 mm) copper-coated steel band with tapered edges into a two-layer brazed tube (6 to 16 mm. in diameter) has been developed and mastered in the laboratory for tube manufacture of the Institut metallurgicheskikh problem (Institute for Metallurgical Problems). The authors state that these tubes show a fatigue strength 3 to 4 times higher than that of copper tubes. The corrosion resistance is also better, due to the copper coating; they are approximately 3 times cheaper than copper tubes. The waste of material amounts to only 5 percent in comparison with 50 percent and more in cold drawing.

Pavlov, Ig. M., P. K. Teterin, N. L. Klyamkin, and I. Ye. Musorina. Roll Design for Forming Two-layer Tubes 251

Card 9/10

Rolling and Tube Rolling

SOV/1878

- . The two-layer tubes are cold-roll-formed in fourteen-stand continuous machines. The method of roll design, tapering of edges, and the shapes and construction of all 14 pairs of rolls are discussed and illustrated. The process of forming the band into a two-layer tube is described.

AVAILABLE: Library of Congress

GO/fal
8-25-59

Card 10/10

BOGDANIKOWA, Beata; DROZD, Jadwiga; BERNACKA, Krystyna

Immunoelectrophoresis of serum proteins soluble in perchloric acid. Pol. arch. med. wewnet. 35 no.7:939-943 '65.

1. Z I Kliniki Chorob Wewnętrznych AM w Białymstoku (Kierownik: doc. dr. med. B. Bogdanikowa).

BOGDANIKOWA, Beata; DROZD, Jadwiga

Attempts of quantitative interpretation of immunoelectrophoresis.
Pol. tyg. lek. 20 no.32:1211-1212 9 Ag '65.

1. Z I Kliniki Chorob Wewnętrznych AM w Białymstoku (Kierownik:
doc. dr. B. Bogdanikowa).

BOGDANIKOWA, Beata; SAGANEK, Barbara; DROZD, Jadwiga

Attempted therapy of paraproteinemia. Pol. tyg. lek. 18 no.21;
757-759 20 My '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Białymstoku; kierownik:
doc. dr Beata Bogdanikowa.
(PENICILLIN) (GLOBULINS) (MULTIPLE MYELOMA)

BOGDANIKOWA, Beata; BERNACKA, Krystyna; DROZD, Jadwiga

Immunoelectrophoresis of serumucoids in patients with progressive chronic polyarthrititis. Pol. arch. med. wewnet. 35 no.9:1319-1324 '65.

1. Z I Kliniki Chorob Wewnetrznych AM w Bialymstoku (Kierownik: doc. dr. B. Bogdanikowa).

DROZD, Jiri

Miniature television generator. Sdel tech 10 no.6:220-221
Je '62.

SMALIK, Michal; DROZD, Josef; KUBIKOVA, Anna; HONCARIV, Robert

Sensitivity of some kinds of potatoes to X-rays. Biologia 15
no.11:850-854 '60. (KEAI 10:5)

1. Slachtitelska stanica, Velka Lomnica (for Smalik, Drozd,
Kubikova) 2. Biologicky ustav Lekarskej fakulty University P.J.
Safarika, Kosice (for Honcariv)
(POTATOES) (X RAYS)

SMALIK, M.; HONCARIV, R.; DROZD, J.; KUBIKOVA, A.

Changes in the color of potato tubers after irradiation of isolated sprouts. *Biologia plantarum* 4 no.3:207-210 '62.

1. Selection Station Velka Lomnica (for Smalik, Drozd and Kubikova). 2. Biological Institute, Medical Faculty, Kosice, Srobarova 57 (for Honcariv).

*

DROZD, Karel, inz., kandidat technických ved

Measurement of tension in rocks by the Nils Hast method. Geol
pruzkum 5 no.8:239-240 Ag '63.

1. Geologický pruzkum, n.p., zavod stavebni geologie, Praha.

DROZD, Karel

Effect of variable moisture content of sand on the results of dynamic penetration tests. Sbor geol ved 1:163-173 '64.

1. Geologicky pruzkum National Enterprise, Department of Construction Geology, Prague.

DROZD, Karel, ins., kandidat technickych ved

Conference on the unification standards on foundation soils.
Geol pruzkum 7 no.2:52-54 F '65.

1. Geologicky pruzkum National Enterprise, Prague.

DROZD, Karel

Investigation of rock properties on the surface of the moon.
Geol pruzkum 7 no.3:89 Mr '65.

Fifteenth Conference of the Interfels Society in Slazburg.
Ibid.:93

DROZD, L., Cand Phys-Math Sci -- (diss) "Study of the influence of the composition of the base of combined ZnS·CdS-luminophores on their luminescence." Moscow, 1960. 14 pp; (Moscow Order of Lenin Order of Labor Red Banner State Univ im M. V. Lomonosov, Faculty of Physics); 120 copies; price not given; (KL, 31-60, 140)

DROZD, L.; LEVSHIN, V.L.

Temperature dependence of the nature of the radiation of
nonactivated ZnS-CdS phosphors. Opt. i spektr. 10 no.6:
773-779 Je '61. (MIRA 14:8).
(Phosphors--Spectra)

6

24.3500 (1137,1138)

32051

S/051/61/011/005/011/018
E202/E192

AUTHORS: Drozd, L., and Levshin, V.L.

TITLE: Disposition of the energy levels of the ZnS-CdS phosphors

PERIODICAL: Optika i spektroskopiya, v.11, no.5, 1961, 648-655

TEXT: This work is the continuation of earlier studies in this field (Ref.1: L. Drozd, Izv.AN SSSR, ser. fiz., v.23, 1300, 1959. Ref.2: L. Drozd, V.L. Levshin, Opt. i spektr. v.10, 773, 1961). The same phosphors and the same apparatus were employed. By plotting the spectra of ZnS-CdS (for varying concentrations of CdS from 0 - 15 wt.%) at room temperature, excited by the light of the 365 and 313 mμ lines, it was found that the shapes of the spectra were independent of the exciting wavelengths and it was therefore concluded that all the light in all these phosphors belonged to only one emission centre and all the bands were of the simple type. However, when the same phosphors were excited by 313, 365 and 436 mμ lines at -195 °C, and the resulting spectra plotted, there was evidence of two bands. The intensity of band II grew rapidly with the increasing Cd content, until the

Card 1/ 3

4

32051

Disposition of the energy levels ...

S/051/61/011/005/011/018
E202/E192

concentration of CdS exceeded 50%, when it started to decrease. The relative development of band II, as compared with band I, depended on the wavelength of the exciting light. It was concluded that the level of luminescence centres of band II was very close to the valency zone, and that band II had a separate centre of luminescence in the vicinity of which there was a quantity of CdS. All these phosphors showed minimum intensity of luminescence at approximately 12% of CdS, and a maximum intensity at approximately 50%. In this respect, these phosphors resembled closely the ZnS-CdS-Cu system studied earlier by V.L. Levshin (one of the present authors) and S.A. Fridman (Ref.14; ZhFKh, v.8, 1277, 1935). The authors have also measured the width of the forbidden gap, and the curves of the thermal luminescence decay for various concentrations of CdS. On the basis of these data and the earlier results, a mechanism of the energy levels of the non-activated ZnS-CdS was developed and is shown in Fig.5. A.A. Bundel' and A.I. Rusanova are mentioned in the article in connection with their contributions in this field. There are 5 figures, 1 table and 18 references: 10 Soviet-bloc and 8 non-Soviet-bloc.

X

Card 2/ 3

32051

Disposition of the energy levels ... S/051/61/011/005/011/018
E202/E192

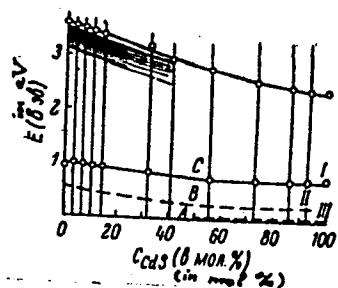
The English language references read as follows:

Ref.5: P.F. Brown, J. Electronics, v.2, 154, 1956.

Ref.7: J.S. Prener, D.J. Weil. J.Electrochem.Soc., v.106, 409, 1959.

SUBMITTED: December 12, 1960

Fig.5. Scheme of localisation levels of electrons and holes in the ZnS-CdS phosphors.



Position of the levels of phosphors with varying CdS contents are read off the ordinate axis.

Vertical lines correspond to the studied phosphors; their levels were used in constructing the scheme.

Y-axis: E in eV;

X-axis: concentration of CdS in mol.%. X

Card 3/3

DROZD, L.; LEVSHIN, V.I.

Arrangement of energy levels in ZnS-CdS phosphors. Opt. 1
spektr. 11 no. 5:648-655 N '61. (MIRA 14:10)
(Phosphors--Spectra)

BOGUSLAVSKAYA, K.V.; VALOVA, G.M.; GRISHCHUK, N.F.; DEOZD, L.G.; KOLOBENIN, V.N.;
PRYAKHINA, S.F.; SOKOLOV, V.D.; BOGUSLAVSKIY, D.B.

Single-stage manufacture of carcass compounds with the addition of
sulfur during processing in the rubber mixer. Kauch. i rez. 24
no.10:12-14 '65. (MIRA 18:10)

1. Dnepropetrovskiy shinnyy zavod i Dnepropetrovskiy filial Nauchno-
issledovatel'skogo instituta shinnoy promyshlennosti.

Non destructive test, metal property, metal toughness, work hardening, ball test,
Brinell hardness

150120Z

Test and hardness number determined by
the following method:

1504

SUB: CUF 40

OTHER: 1/4

DROZD, M.K.

Theoretical relation of steel hardness and its resistance to plastic deformation. Analele metalurgie 16 no.3:45-58 J1-S '62.

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 123 (USSR) SOV/124-57-3-3486

AUTHOR: Drozd, M. S.

TITLE: On the Most Advantageous Angle of Preliminary Elastic-plastic Twisting of a Hexagonal Shaft (O naivgodneyshem ugle predvaritel'nogo uprugo-plasticheskogo zakruchivaniya shestigrannika)

PERIODICAL: Nauch. tr. Stalingr. mekhan. in-ta, 1955, Vol 2, pp 153-163

ABSTRACT: The problem of determining the optimal value of the preliminary plastic deformation of a given shaft is solved simply with the aid of the diagram of elastic-plastic twisting ($M-\theta$ diagram), the character of which depends upon the elastic-plastic properties and also upon the torsional yield strength τ_T . A dependence $M_k-\theta$ is obtained for a round shaft, and conditions are determined under which this dependence can be applied to hexagonal shafts. It was established that for elastic-plastic twisting of a hexagonal shaft the relationship between M and θ for a given material (τ_T) can be expressed by the same equation as that for elastic-plastic twisting of a round shaft. In this case the values of M , θ , and θ_T must be modified to include the geometric factors W_k and J_k characterizing the hexagonal cross

Card 1/2